

A.

1.)

Code:

```
x = 0
```

```
a = 5
```

```
b = 5
```

```
if a > 0:
```

```
    if b < 0:
```

```
        x = x + 5
```

```
    elif a > 5:
```

```
        x = x + 4
```

```
    else:
```

```
        x = x + 3
```

```
else:
```

```
    x = x + 2
```

```
print(x)
```

Output:

C:\Users\sirfe\PycharmProjects\pythonProject\venv\Scripts\python.exe

C:\Users\sirfe\PycharmProjects\pythonProject\main.py

3

Process finished with exit code 0

2.)

Code:

```
NUM1 = 50
```

```
NUM2 = 500
```

```
print("I") if NUM1 > NUM2 else print("LOVE") if NUM1 == NUM2 else print("PYTHON")
```

Output:

C:\Users\sirfe\PycharmProjects\pythonProject\venv\Scripts\python.exe

C:\Users\sirfe\PycharmProjects\pythonProject\main.py

PYTHON

Process finished with exit code 0

3.)

Code:

```
x = 0
```

```
a = 5
```

```
b = -5
```

```
if a > 0:
```

```
if b < 0:
    x = x + 5
elif a > 5:
    x = x + 4
else:
    x = x + 3
else:
    x = x + 2
print(x)
```

Output:

```
C:\Users\sirfe\PycharmProjects\pythonProject\venv\Scripts\python.exe
C:\Users\sirfe\PycharmProjects\pythonProject\main.py
5
```

Process finished with exit code 0

B.

Coding Time:

```
fName = input("Enter first name:")
lName = input("Enter last name:")
salary = int(input("Enter salary:"))
rating = int(input("Enter rating:"))
name = fName + lName
```

```
print("=====")
print("Name:" + name)
print("Salary:" + str(salary))
print("Rating:" + str(rating))
```

```
r1 = salary * 0.1
r2 = salary * 0.06
r3 = salary * 0.03
if rating == 1:
    print("Bonus:" + str(r1))
elif rating == 2:
    print("Bonus:" + str(r2))
elif rating == 3:
    print("Bonus:" + str(r3))
else:
    print("None")
```

Output:

C:\Users\sirfe\PycharmProjects\pythonProject\venv\Scripts\python.exe

C:\Users\sirfe\PycharmProjects\pythonProject\main.py

Enter first name: Vanessa

Enter last name: Sanes

Enter salary: 65000

Enter rating: 3

=====

Name: Vanessa Sanes

Salary:65000

Rating:3

Bonus:1950.0

Process finished with exit code 0

### B. Activity 3: Check for understanding

Answers:

1.

x = 50

y = 50

z = 50

a = 50

if x == y and z == a:

    print("Python")

2.)

x = 50

y = 50

z = 56

a = 50

if x == y or z == a:

    print("Python")

3.)

message = "One is equal to one!" if 1 == 1 else "Not equal to one"

print(message)

4.)

kkk = "Yes" if 1 == 1 else "No"

print(kkk)

5.)

if 1 == 1:

```
print("One is equal to one!")
```